



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0739/S-96, REVISION 3

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X1299 (Manufactured on or after May 4, 2001).
2. Source Description - Cylindrical single encapsulation made of MP35N and tungsten inert gas or laser seal welded. Approximate outer dimensions are 14.7 mm (0.58 in.) in diameter and 45.7 mm (1.8 in.) in length. Minimum wall thickness is 0.5 mm (0.02 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA63188, Rev. A.
3. Radioactive Contents - No more than 740.0 GBq (20.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder and pressed into a solid pellet.
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on October 31, 2025. Previous editions which have not reached their expiration date may continue to be used.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 1, 2020 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



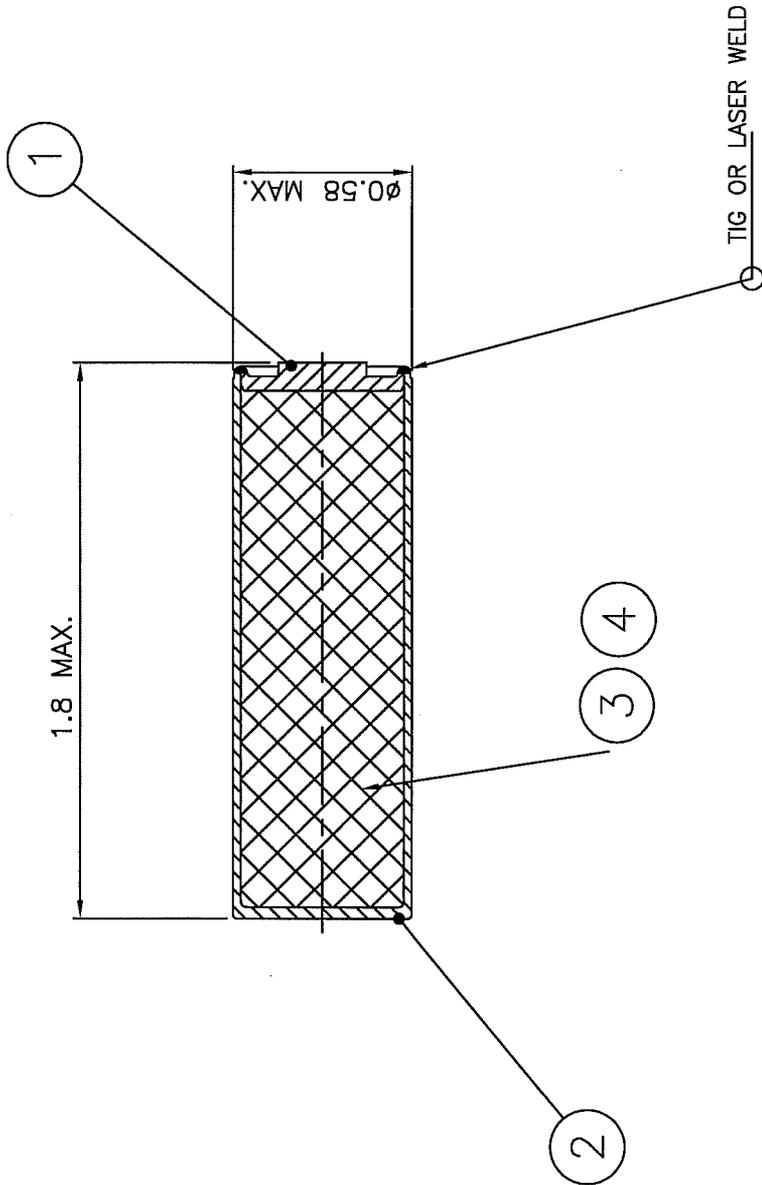
October 22, 2020

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 3 - Issued to extend the expiration date.

Item	Description	Matl.	Qty.
1	X1299 LID	MP35N	1
2	X1299 BODY	MP35N	1
3	Active Material		AR
4	Ceramic Fiber Packing (optional)		AR



DESCRIPTIVE
DRAWING

TITLE X1299 CAPSULE ASSEMBLY

APPROVALS	DATE
<i>D.P. Jui</i>	18 Apr 06
<i>L.P. Hsu</i>	18 Apr 06

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES:

- FRACTIONS: $\pm 1/8$
- X.X ± 0.12
- X.XX ± 0.06
- X.XXX ± 0.020

SIZE	DWG. NO.	REV
A	RBA63188	
SCALE:	NTS	SHEET 1 OF 1

ERF # 1331



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CERTIFICATE NUMBER: USA/0739/S-96

ORIGINAL REGISTRANT(S) :

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Burlington, MA, 01803
USA

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MD-121
Sugar Land, TX, 77478
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